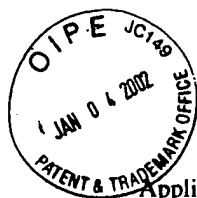


09, 919334 FC1

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PATENT - Attorney Docket No. 111244.121

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Matthew Hayden Harper et al.

Serial No.: 09/919,334

Filed: July 30, 2001

For: Managing Packet Data Interconnections in Mobile Communications

Box Assignment  
Commissioner for Patents  
Washington, D.C. 20231

Examiner:

Group Art Unit:

#7

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DEC 5 2001  
Date

Michael Leccese

FILE ASSIGNMENT

Enclosed for filing in the above-identified patent application are the following:

1. Assignment and Recordation Form.
2. Fee Transmittal Form;
3. Transmittal Form;
4. Post Card

The Commissioner is hereby authorized to charge Deposit Account No. 08-0219 for the appropriate charge.

Please charge any fee deficiency or credit any overpayment in connection with this matter to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: December 5, 2001

Jason A. Reyes  
Jason A. Reyes  
Registration No. 41,513  
Attorney for Applicant  
(617) 526-6000 (Telephone)



Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (6-98)  
Approved for use through 09/30/2000. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/919,334
	Filing Date	July 30, 2001
	First Named Inventor	Matthew Hayden Harper
	Group Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	111244.121

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Additional Enclosure(s) (please identify below) <input checked="" type="checkbox"/> Postcard
Remarks		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jason Reyes (Reg. no. 41,513)
Signature	<i>Jason A. Reyes</i>
Date	December 5, 2001

CERTIFICATE OF MAILING		
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Typed or printed name	Michael Leccese	
Signature	<i>Michael Leccese</i>	Date
		December 5, 2001

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Date of Deposit: \_\_\_\_\_

PTO/SB/17 (10-01)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>FEE TRANSMITTAL</b> <b>for FY 2002</b> <small>Patent fees are subject to annual revision.</small>		<b>Complete if Known</b>		
		Application Number	09/919,334	
		Filing Date	July 30, 2001	
		First Named Inventor	Matthew Hayden Harper	
		Examiner Name	TBD	
TOTAL AMOUNT OF PAYMENT (\$)		\$40	Attorney Docket No.	111244.121

<b>METHOD OF PAYMENT</b> 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: <b>08-0219</b> Deposit Account Name: <b>Hale and Dorr LLP</b> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other		<b>FEE CALCULATION (continued)</b> <b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 400</td><td>216 200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 920</td><td>217 460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,440</td><td>218 720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 1,960</td><td>228 980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119 320</td><td>219 160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 320</td><td>220 160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 280</td><td>221 140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141 1,280</td><td>241 640</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142 1,280</td><td>242 640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 460</td><td>243 230</td><td>Design issue fee</td><td></td></tr> <tr><td>144 620</td><td>244 310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126 180</td><td>126 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>\$40</td></tr> <tr><td>146 740</td><td>246 370</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149 740</td><td>249 370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179 740</td><td>279 370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169 900</td><td>169 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (3)</td> <td>(\$) 40</td> </tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing fee or cover sheet		139 130	139 130	Non-English specification		147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for reply within first month		116 400	216 200	Extension for reply within second month		117 920	217 460	Extension for reply within third month		118 1,440	218 720	Extension for reply within fourth month		128 1,960	228 980	Extension for reply within fifth month		119 320	219 160	Notice of Appeal		120 320	220 160	Filing a brief in support of an appeal		121 280	221 140	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive - unavoidable		141 1,280	241 640	Petition to revive - unintentional		142 1,280	242 640	Utility issue fee (or reissue)		143 460	243 230	Design issue fee		144 620	244 310	Plant issue fee		122 130	122 130	Petitions to the Commissioner		123 50	123 50	Processing fee under 37 CFR 1.17(q)		126 180	126 180	Submission of Information Disclosure Stmt		581 40	581 40	Recording each patent assignment per property (times number of properties)	\$40	146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))		149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))		179 740	279 370	Request for Continued Examination (RCE)		169 900	169 900	Request for expedited examination of a design application		Other fee (specify) _____				SUBTOTAL (3)			(\$) 40
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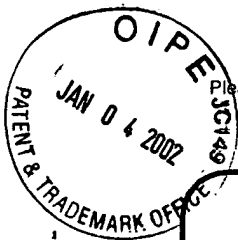
\*Reduced by Basic Filing Fee Paid

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Name (Print/Type)	Jason Reyes	Registration No. (Attorney/Agent)	41,513
Signature	<i>Jason F. Reyes</i>	Telephone	617-526-6000
		Date	12-5-01

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	09/919,334
	<b>Filing Date</b>	July 30, 2001
	<b>First Named Inventor</b>	Matthew Hayden Harper
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b> 111244.121

ENCLOSURES (check all that apply)		
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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jason Reyes (Reg. no. 41,513)
Signature	<i>Jason A. Reyes</i>
Date	December 5, 2001

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: Dec 5 2001		
Typed or printed name	Michael Leccese	
Signature	<i>[Signature]</i>	Date
		December 5, 2001

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PTO/SB/17 (10-01)

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**FREE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ \$700)

**Complete if Known**

Application Number	09/919,334
Filing Date	July 30, 2001
First Named Inventor	Matthew Hayden Harper
Examiner Name	TBD
Group Art Unit	TBD
Attorney Docket No.	111244.121

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

08-0219

Deposit  
Account  
Name

Hale and Dorr LLP

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money  
Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	\$370
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 370)

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	8	20** = 5	210
Multiple Dependent			0

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 210)

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid		
105	130	205	65	Surcharge - late filing fee or oath	\$65
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$55
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 120)

**SUBMITTED BY**

Name (Print/Type)

Jason Reyes

Registration No.  
(Attorney/Agent)

41,513

**Complete (if applicable)**

Telephone

617-526-6000

Signature

Date

12-5-01

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/919,334	07/30/2001	Matthew Hayden Harper	111244.121

23483  
HALE AND DORR, LLP  
60 STATE STREET  
BOSTON, MA 02109

CONFIRMATION NO. 2730

## FORMALITIES LETTER



\*OC000000006528823\*

Date Mailed: 09/07/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 355 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$200.
  - \$200 for 5 independent claims over 3 .
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 620.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

01/08/2002 AGOITOM 00000058 080219 09919334

01 FC:201 370.00 CH  
02 FC:205 65.00 CH  
03 FC:202 210.00 CH

HALE & DORR DOCKETING  
RE: 111244.121  
Action Date: 11/07/01  
Action to be Taken: D/D  
Docketed by: AA On: 9/10/01



PATENT - Attorney Docket No. 111244.121

N Section  
#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Matthew Hayden Harper et al.

Serial No.: 09/919,334

Examiner:

Filed: July 30, 2001

Group Art Unit:

For: Managing Packet Data Interconnections in Mobile Communications

Box Missing Parts  
Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8(a)

I hereby certify that this correspondence and any enclosures referenced herein are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Box Missing Parts, Commissioner for Patents, Washington D.C. 20231.

Dec 5 2001  
Date

  
Michael Leccese

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION**  
(FILING DATE GRANTED)

In response to the Notice to File Missing Parts of Application (Filing Date Granted) mailed September 7, 2001 enclosed for filing in the above-identified patent application are the following documents:

1. Signed Declaration
2. Fee Transmittal Form;
3. Transmittal Form;
4. Copy of Notice to file Missing Parts of Nonprovisional Application;
5. Petition for Extension of Time Under 37 CFR 1.136(a)
6. Post Card

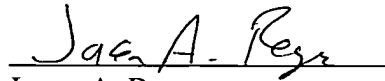
The Commissioner is hereby authorized to charge Deposit Account No. 08-0219 for the appropriate charge for late filing of the Declaration, filing fee, additional claim fee, and surcharge for a small entity.

Attorney Docket No. 111244.121

Please charge any fee deficiency or credit any overpayment in connection with this matter to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: December 5, 2001



Jason A. Reyes  
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Attorney for Applicant

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